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10/666,818		09/17/2003	Theron Tock	11389-035	8933
20583	7590	08/23/2005		EXAM	INER
JONES I			WON, MICHAEL YOUNG		
222 EAST 41ST ST NEW YORK, NY 10017				ART UNIT	PAPER NUMBER
				2155	
	·			DATE MAILED: 08/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

) 	Application No.	Applicant(s)				
	10/666,818	TOCK, THERON				
Office Action Summary	Examiner	Art Unit				
	Michael Y. Won	2155				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply		ONITH (C) FROM				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA* - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica* - If the period for reply specified above is less than thirty (30) day if NO period for reply is specified above, the maximum statutor Failure to reply within the set or extended period for reply will, I Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a restion. ys, a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MON by statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed or	n <u>17 September 2003</u> .					
2a) ☐ This action is FINAL . 2b) ☐	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice u	inder <i>Ex parte Quayl</i> e, 1935 C.D	. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-60</u> is/are pending in the appli	cation.					
4a) Of the above claim(s) is/are w	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-60</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction	and/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Ex	aminer.					
10)☐ The drawing(s) filed on is/are: a)[☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by	the Examiner. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for fa a) All b) Some * c) None of: 1. Certified copies of the priority doc 2. Certified copies of the priority doc 3. Copies of the certified copies of the application from the International * See the attached detailed Office action for	uments have been received. uments have been received in A ne priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage				
America and a						
Attachment(s) 1) Notice of References Cited (PTO-892)	4\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(PTO 442)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-9	(148) Paper No(s	ummary (PTO-413))/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date 9/17/03 & 3/7/05.	/SB/08) 5) Notice of In 6) Other:	nformal Patent Application (PTO-152) 				

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DETAILED ACTION

- 1. This action is in response to the application filed on September 17, 2003.
- 2. Claims 1-60 have been examined and are pending with this action.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1 and 31 recite the limitation "the scheduler". There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical

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Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-3, 20, 22-25, 28-33, 50, 52-55, and 58-60 are rejected under 35
 U.S.C. 102(e) as being anticipated by Phaal (US 6,006,269 A).

<u>INDEPENDENT:</u>

As per *claim 1*, Phaal teaches a method for sending a request from a client computer to a server computer (see col.1, lines 12-18), wherein the client computer is connected to the server computer via a network (see col.5, lines 17-20), where the server computer runs server-side code associated with a client/server application, wherein the client computer runs client-side code associated with the client/server application (see col.4, lines 38-42; col.5, lines 47-49; and col.14, lines 55-60), the method comprising;

the client-side code registering a request entry with a client-side scheduler (see col.3, lines 17-18: "client resident software for use in accessing a host" and col.12, lines 34-37 & 42-51) while the network connection is unavailable (see col.2, line 37: "deferred clients" and col.4, lines 46-53), wherein the request entry represents the request to be sent from the client computer to the server computer (see col.4, lines 46-48: "normally admits messages to a server");

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the scheduler storing the request entry until a network connection is available for use by the client-side code (see col.12, lines 46-51 and col.15, lines 56-63);

the scheduler notifying the client-side code that the network connection is available (see col.2, line 59-col.3, line 1);

the client-side code using the network connection to send the request to the server computer (see col.5, lines 17-20).

As per *claim 31*, Phaal teaches a system for enabling a client/server application, the system comprising:

a server computer (see col.1, line 12), wherein the server computer runs server-side code associated with the application (see col.4, lines 38-42; col.5 lines 47-49; and col.14, lines 55-60);

a client computer (see col.1, line 14) connected to the server computer via a network, wherein the client computer runs client-side code associated with the application (see col.4, lines 38-42; col.5, lines 47-49; and col.14, lines 55-60);

a client-side scheduler (see col.3, lines 17-18: "client resident software for use in accessing a host" and col.12, lines 34-37 & 42-51), wherein the client-side code is operable to interface with the scheduler in order to manage requests to the server computer (see col.2, lines 46-58 and col.6, lines 22-29);

wherein the client-side code is executable to register a request entry (see col.2, lines 48-50 and col.3, lines 40-42) with the scheduler while the network connection is unavailable (see col.2, line 37: "deferred clients" and col.4, lines 46-53), wherein the

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request entry represents a request that the client-side code needs to send to the server computer (see col.2, lines 46-48);

wherein the scheduler is executable to store the request entry until a network connection is available for use by the client-side code (see col.12, lines 46-51 and col.15, lines 56-63);

wherein the scheduler is executable to notify the client-side code that the network connection is available (see col.2, line 59-col.3 line 1);

wherein the client-side code is executable to use the network connection to send the request to the server computer (see col.5, lines 17-20).

DEPENDENT:

As per *claims 2 and 32*, Phaal further teaches wherein said client-side code registering a request entry with the scheduler comprises the client-side code informing the scheduler of a callback routine to associate with the request entry; wherein said scheduler storing the request entry comprises the scheduler storing information identifying the callback routine; wherein said scheduler notifying the client-side code that the network connection is available comprises the scheduler invoking the callback routine (see col.14, lines 55-60).

As per *claims 3 and 33*, Phaal further teaches wherein said client-side code registering a request entry with the scheduler comprises the client-side code storing request context information for the request entry (see col.12, lines 46-51 and col.15, lines 56-63); wherein said client-side code using the network connection to send the request to the server computer comprises the client-side code retrieving the request

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context information for the request entry and using the request context information to formulate the appropriate request to send to the server computer (see col.11, lines 21-30 and col.12, lines 23-26).

As per *claims 20 and 50*, Phaal further teaches wherein the scheduler is an independent software component (see col.4, lines 38-42 and col.6, lines 48-49).

As per *claims 22, 23, 52, and 53*, Phaal further teaches wherein the scheduler is not an independent software component, but rather is tightly integrated with the client-side code and the scheduler executes on the client computer (see col.4, lines 36-38 and col.11, line 18).

As per *claims 24 and 54*, Phaal further teaches wherein the scheduler executes on a computer connected to the client computer via a local area network (LAN) (see col.4, lines 36-42 and col.7, lines 36-41).

As per *claims 25 and 55*, Phaal further teaches wherein the client/server application is an Internet application, wherein the network is the Internet (see col.1, lines 14-15 & 20-23, and col.7, lines 33-41).

As per *claims 28 and 58*, Phaal further teaches wherein the request sent by the client-side code references a resource accessible over the Internet via a uniform resource locator (URL) (see col.7, lines 8-11 & 15-17; and col.9, line 66-col.10 lines 2).

As per *claims 29, 30, 59, and 60*, Phaal further teaches wherein the client-side code interfaces with the Web browser code base in order to send the request over the Internet; and wherein the client-side code uses the Web browser control as an embedded component (see col.13, lines 15-20).

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 4-8, 10, 18, 34-38, 40, and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phaal (US 6,006,269 A) in view of Griffin et al. (US 4,949,251 A).

As per *claims 4 and 34*, Phaal teaches all the limitations except wherein said client-side code storing request context information for the request entry comprises the client-side code storing the request context information in a database. Griffin teaches of a client storing a request in a database (see Fig.1, #19 and col.6, lines 33-50).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing a client-side code storing request context information in a database within the client-server offline system because Griffin teaches that such an implementation enhances the availability of the system by enabling other processors to continue processing when one or more processors fail (see Griffin: col.6, lines 51-59).

As per *claims 5 and 35*, Phaal further teaches wherein said client-side code registering a request entry with the scheduler comprises the client-side code informing the scheduler of a database key identifier for the request context information stored in the database; and wherein said scheduler storing, notifying client-side code, and retrieving the request context information comprises the scheduler storing, passing, and using the database key identifier (see col.2, line 64-col.3 line 3; col.10, lines 3-21; and col.12, lines 32-34).

As per *claims* 6 and 36, Phaal teaches all the limitations except wherein the request that the client-side code needs to send to the server computer requires exactly-once semantics; wherein said client-side code registering a request entry with the scheduler comprises the client-side code informing the scheduler that the request requires exactly once semantics; wherein said scheduler storing the request entry comprises the scheduler storing information specifying that the request requires exactly-once semantics; wherein, in the case of an error during said client-side code using the network connection to send the request to the server computer, the method includes means for providing error recovery for the request, wherein said means for providing error recovery ensure that the server computer does not perform the request more than once.

Griffin teaches wherein the request that the client-side code needs to send to the server computer requires exactly-once semantics; wherein said client-side code registering a request entry with the scheduler comprises the client-side code informing the scheduler that the request requires exactly once semantics; wherein said scheduler

storing the request entry comprises the scheduler storing information specifying that the request requires exactly-once semantics (see title); wherein, in the case of an error during said client-side code using the network connection to send the request to the server computer, the method includes means for providing error recovery for the request (see col.3, lines 39-42), wherein said means for providing error recovery ensure that the server computer does not perform the request more than once (see col.4, lines 31-33 & 54-56).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing exactly-once semantics and error recovery within the client-server offline system because this enables consistent and current data integrity in the event of a failure within any node of the system.

As per *claims* 7 *and* 37, Phaal teaches all the limitations except wherein said error during the client-side code using the network connection to send the request to the server computer comprises the network connection being terminated before the response to the request is received from the server computer; wherein said means for providing error recovery for the request comprise: the client-side code informing the scheduler that the request failed; the scheduler marking the request entry corresponding to the request with a status indicating that the request needs error recovery, in response to being informed by the client-side code that the request failed; a network connection being re-established; the scheduler using the network connection to query the server computer in order to determine whether the request was successfully

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completed; the scheduler informing the client-side code that the request was successfully completed if the scheduler determines from the guery to the server computer that the request was successfully completed; the scheduler marking the request entry corresponding to the request with a status indicating that the request should be re-sent if the scheduler determines from the query to the server computer that the request was not successfully completed.

Griffin teaches wherein said error comprises the network connection being terminated before the response to the request is received (see col.11, lines 58-60); wherein said means for providing error recovery for the request comprise: informing that the request failed (see col.7, lines 7-9); a network connection being re-established; using the network connection to query, in order to determine whether the request was successfully completed; informing that the request was successfully completed if the request was successfully completed (see col.9, lines 49-52); marking the request entry corresponding to the request with a status indicating that the request should be re-sent upon determining from the query that the request was not successfully completed (see col.9, lines 52-57).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing an error recovery within the client-server offline system because this enables consistent and current data integrity in the event of a failure within any node of the system. Also in order to maintain data consistency, such error recovery system can

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be implemented between all interconnected nodes. Therefore whatever devices resides at each node, an error recovery system can be implemented between said nodes.

As per *claims 8 and 38*, Phaal teaches all the limitations except wherein the request sent by the client-side code to the server computer includes a job ID for the request; wherein, in response to successfully performing the request, the server computer is operable to log the job ID for the request; wherein said scheduler querying the server computer in order to determine whether the request was successfully completed comprises the scheduler querying the server computer in order to determine whether the server computer in order to determine whether the server computer logged the job ID for the request.

Griffin teaches wherein the request sent by the client-side code to the server computer includes a job ID for the request; wherein, in response to successfully performing the request, the server computer is operable to log the job ID for the request; wherein said scheduler querying the server computer in order to determine whether the request was successfully completed comprises the scheduler querying the server computer in order to determine whether the server computer logged the job ID for the request (see col.3, lines 42-51; col.4, lines 36-45; and col.9, lines 49-55).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing a job ID for requests within the client-server offline system because this would allow the system to keep track of what data request has been completed and what data is most current in the event of a system failure to ensure exactly-once semantics.

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As per *claims 10 and 40*, Phaal teaches all the limitations, except wherein the client-side cache is implemented using a database. Griffin teaches wherein the client-side cache is implemented using a database (see Fig.1, #19 and col.6, lines 33-50).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing a client-side cache implementing a database within the client-server offline system because Griffin teaches that such an implementation enhances the availability of the system by enabling other processors to continue processing when one or more processors fail (see Griffin: col.6, lines 51-59).

As per *claims 18 and 48*, Phaal teaches all the limitations except wherein the method comprises error recovery means in the event of abnormal termination of the client-side code; wherein said error recovery means comprise ensuring that upon restart of the client-side code, any requests requiring exactly-once semantics that were in progress when the abnormal termination of the client-side code occurred are not performed multiple times.

Griffin teaches wherein the method comprises error recovery means in the event of abnormal termination of the client-side code; wherein said error recovery means comprise ensuring that upon restart of the client-side code, any requests requiring exactly-once semantics that were in progress when the abnormal termination of the client-side code occurred are not performed multiple times (see col.4, lines 31-33 & 54-56).

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It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Griffin within the system of Phaal by implementing exactly-once semantics and error recovery within the client-server offline system because this enables consistent and current data integrity in the event of a failure within any node of the system.

6. Claims 9, 11, 13-17, 19, 21, 39, 41, 43-47, 49, and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phaal (US 6,006,269 A) in view of Braddy (US 6,141,759 A).

As per *claims 9 and 39*, Phaal teaches all the limitations except wherein the client-side code maintains a client-side cache; wherein, in response to determining a need for particular information, the client-side code is operable to check the client-side cache for the needed information; wherein, if the client-side cache comprises the needed information, the client-side code is operable to retrieve the needed information from the client-side cache; wherein, if the client-side cache does not comprise the needed information, the client-side code is operable to register a request entry with the scheduler, wherein the request entry represents a request to retrieve the needed information from the server computer.

Braddy teaches wherein the client-side code maintains a client-side cache; wherein, in response to determining a need for particular information, the client-side code is operable to check the client-side cache for the needed information; wherein, if the client-side cache comprises the needed information, the client-side code is operable

to retrieve the needed information from the client-side cache; wherein, if the client-side cache does not comprise the needed information, the client-side code is operable to register a request entry with the scheduler, wherein the request entry represents a request to retrieve the needed information from the server computer (see col.11, lines 42-55 and col.16, lines 21-32).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Braddy within the system of Phaal by implementing a cache in the client side within a client-server offline system because this allows for needed information to be accessed more quickly, rather than always having to connect to the server via a network. Caches are well known in the art for increasing operation speed.

As per *claims 11 and 41*, Phaal further teaches wherein the client-side code is operable to register a synchronization entry with the scheduler; wherein the synchronization entry represents a synchronization request to be sent by the client-side code to the server computer; wherein the scheduler stores the synchronization entry until a network connection is available for use by the client-side code; wherein the scheduler notifies the client-side code that the network connection is available; and wherein the client-side code is operable to send the synchronization request to the server computer and use the synchronization request results returned by the server computer to synchronize at least a portion of the client-side cache with the server-side database (see col.9, lines 51-59 and col.12, lines 27-34).

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Phaal does not teach wherein the server-side code maintains a server-side database. Braddy teaches wherein the server-side code maintains a server-side database (see Fig.1 #16, #18, #20, & #22; and col.1, lines 57-60).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Braddy within the system of Phaal by implementing a database on the server-side within a client-server offline system because most servers perform some function or task such as retaining, updating, or executing of data which require large amounts of repository, therefore it is well known in the art that databases are often and frequently used by servers to maintain executable programs or data file frequently accessed remotely.

As per *claims 13 and 43*, Phaal further teaches wherein said client-side code registering a synchronization entry with the scheduler comprises the client-side code informing the scheduler of a synchronization callback routine to associate with the synchronization entry; wherein the scheduler stores information identifying the synchronization callback routine; wherein the scheduler invokes the synchronization callback routine when a network connection is available for use by the synchronization callback routine (see claim 2 and 32 rejection above).

As per *claims* 14 and 44, Phaal further teaches wherein said client-side code registering a synchronization entry with the scheduler further comprises the client-side code informing the scheduler of a time to invoke the synchronization callback routine (see col.2, lines 62-64); wherein the scheduler stores information identifying the time to invoke the synchronization callback routine (see col.4, lines 48-53); wherein the

scheduler invokes the synchronization callback routine when the specified invocation time occurs and a network connection is available for use by the synchronization callback routine (see col.4, lines 59-61).

As per *claims 15, 16, 45, and 46*, Phaal further teaches wherein, upon completing the synchronization of the at least a portion of the client-side cache with the server-side database, the synchronization callback routine informs the scheduler of a time to re-invoke the synchronization callback routine; wherein the scheduler stores information identifying the time to re-invoke the synchronization callback routine; wherein the scheduler re-invokes the synchronization callback routine when the specified re-invocation time occurs and a network connection is available for use by the synchronization callback routine; wherein the re-invocation time specified by the synchronization callback routine is calculated based on the amount of synchronization that the synchronization callback routine performed (see col.6, lines 25-30; col.9, lines 51-65; and col.12, lines 27-30).

As per *claims* 17 and 47, Phaal further teaches wherein a request entry and a synchronization entry are simultaneously registered with the scheduler (see col.12, lines 32-33); and wherein the scheduler prioritizes the request entry over the synchronization entry with regard to notifying the client-side code that a network connection is available (see col.4, lines 59-61).

As per *claims* 19 and 49, Phaal teaches all the limitations except wherein the server side of the client/server application comprises a first server computer; wherein requests sent by the client-side code are received by the first server computer and

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passed to a second server computer; wherein the second server computer carries out the request. Braddy teaches wherein the server side of the client/server application comprises a first server computer; wherein requests sent by the client-side code are received by the first server computer and passed to a second server computer; wherein the second server computer carries out the request (see Fig.4).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made, to employ the teachings of Braddy within the system of Phaal by implementing a second server to carry out requests within a client-server offline system because most providers of information consists of many servers for many different reasons. One such example, which is known and used in the art, is a gateway, router, or load server (first server) which routes to other plurality of servers based on various methods such as load balancing or request-categorization.

As per *claims 21 and 51*, Phaal teaches all the limitations except wherein the scheduler component is a component constructed according to a software component specification from the group consisting of COM, CORBA, and JavaBeans. Braddy teaches of CORBA, and JavaBeans (see col.4, lines 12-17 and col.9, lines 2-7).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Braddy within the system of Phaal by implementing a scheduler component constructed according to a software component specification from the group consisting of CORBA, and JavaBeans within a client-server offline system because these programs or applications are industry standards and

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widely used, which would allow for the scheduler to be easily integrated and

implemented in many different current systems.

7. Claims 12 and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phaal (US 6,006,269 A) and Braddy (US 6,141,759 A) as applied to claims 11 and

41 above, and further in view of Brunner et al. (US 5,550,971 A).

As per *claims 12 and 42*, Phaal and Braddy teaches all the limitations and Phaal further teaches wherein said synchronization request sent to the server computer comprises a list of item IDs (see col.10 lines 3-12 and col.12 lines 31-34) and modification times (see col.9 lines 51-53).

However, Phaal and Braddy do not teach wherein, in response to receiving the synchronization request, the server computer is operable to return a list of new items to add to the client-side cache, a list of items to delete from the client-side cache, and a list of items to update in the client-side cache. Brunner teaches wherein, in response to receiving the synchronization request, the server computer is operable to return a list of new items to add to the client-side cache, a list of items to delete from the client-side cache, and a list of items to update in the client-side cache (see col.4, lines 46-51 & lines 61-64).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Brunner within the system of Phaal and Braddy by enabling the client-side cache to be updated with a list of items by the server within a client-server offline system because this would allow the client to synchronize

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with the server for transmission of data in either direction. It allows for the client and server to communicate using the same data format and allows the client-side cache to be updated of any changes within the server-side.

8. Claims 26-27 and 56-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phaal (US 6,006,269 A) in view of Swanson et al. (US 6,112,183 A).

Although Phaal teaches an application enabling requests while the client computer is disconnected from the Internet, Phaal does not explicitly teach wherein the Internet application is a healthcare application; and wherein the application is a healthcare application enabling healthcare workers to file health insurance claims.

Swanson teaches wherein the Internet application is a healthcare application (see col.3, lines 6-10); and wherein the application is a healthcare application enabling healthcare workers to file health insurance claims (see col.4 lines 42-56).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ the teachings of Swanson within the system of Phaal, by using the scheduler within the client-server offline system in the healthcare industry because healthcare facilities deal with many distributed healthcare workers filing claims, thus to ensure proper filing on-line using the Internet to a central repository, Phaal's system can reduce cost and increase productivity by reducing the need for extra equipment (extra servers to handle the load) and by allowing the claims to be filed while disconnected and processed when connection resumes.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Won

BHARAT BAROT
PRIMARY EXAMINER

August 17, 2005